

Applic. No. 10/695,365

Amdt. dated December 9, 2004

Reply to Office action of September 9, 2004

Claim Amendments

) This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): An apparatus for controlling a temperature of a recording material in an external drum exposer having an exposure drum for ~~holding~~ holding the recording material, the apparatus comprising:

an internal pipe disposed on an axis of the exposure drum; and

at least one rotary lead-through fluidically communicating with and through which a temperature-controlled liquid flows into said internal pipe.

Claim 2 (original): The apparatus according to claim 1, further comprising webs connected to said internal pipe, the exposure drum is a cylinder connected to said internal pipe by said webs.

) Claim 3 (original): The apparatus according to claim 2, wherein the cylinder, said internal pipe and said webs are fabricated from a thermally conductive material.

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Claim 4 (original): The apparatus according to claim 2,
wherein the cylinder, said internal pipe and said webs are
) fabricated from an extruded part.

Claim 5 (original): The apparatus according to claim 1,
wherein said rotary lead-through is disposed at a first end of
the exposure drum with which the temperature-controlled liquid
is led into said internal pipe; and

further comprising a further rotary lead-through disposed at a
second end of the exposure drum with which the temperature-
controlled liquid is led out of said internal pipe.

Claim 6 (original): The apparatus according to claim 1,
wherein said rotary lead-through is a two-way rotary lead-
through disposed at one end of the exposure drum, said two-way
rotary lead-through leading the temperature-controlled liquid
into and out of said internal pipe.

Claim 7 (original): The apparatus according to claim 1,
further comprising a temperature control unit disposed in a
) path of the temperature-controlled liquid for keeping the
temperature-controlled liquid at a constant temperature.

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Claim 8 (original): The apparatus according to claim 1,
wherein the temperature-controlled liquid is water.

Claim 9 (original): The apparatus according to claim 8,
wherein the temperature-controlled liquid further contains at
least one of a corrosion-prevention additive and an antifreeze
additive.

Claim 10 (original): The apparatus according to claim 3,
wherein said thermally conductive material is aluminum.

Claim 11 (original): The apparatus according to claim 1,
wherein the
recording material is a printing plate.

Claim 12 (currently amended): An exposer for controlling a
temperature of a recording material, comprising:

an exposure drum for ~~holding~~ holding the recording material and
having an axis;

an internal pipe disposed along said axis of said exposure
drum; and

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) at least one rotary lead-through fluidically communicating with and through which a temperature-controlled liquid flows into said internal pipe.

Claim 13 (currently amended): An exposer for controlling a temperature of a recording material, comprising:

an exposure body for ~~holding~~ holding the recording material and having an axis;

an internal pipe disposed along said axis of said exposure body; and

at least one rotary lead-through fluidically communicating with and through which a temperature-controlled liquid flows into said internal pipe.

Claim 14 (currently amended): An exposure drum for controlling a temperature of a recording material, comprising:

an cylindrical body for ~~holding~~ holding the recording material and having an axis;

) an internal pipe disposed along said axis of said cylindrical body; and

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) at least one rotary lead-through fluidically communicating
with and through which a temperature-controlled liquid flows
into said internal pipe.